

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,592

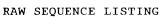
DATE: 12/19/2001 TIME: 15.56.34

Input Set · A:\ES.txt

Output Set: N:\CRF3\12192001\1889592.raw



	7 <110 · AF	PPLICANT: In	gvar M. Ferb	v et al			
			•	_	ELL PROLIFER.	ATION AND CELL	DIVISION
	1.4 MC	DULATING AC	TIVITY AND D	NA ENCODI	NG SUCH PROT	EIN	
			E: 100564-00				
			CATION NUMBE		,592		
C>			G DATE: 2001		400077		
			TION NUMBER: DATE: 2000-0		/008//		
			TION NUMBER:		172 6		
			DATE: 1999-0		1,1,0		
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	59 × 1700 × 80	FTWARE: Pat	ent-In versi	on 3.1			
	65 <210> SE						
	68 <211: LE						
	71 <212 - TY		onua an				
	80 <2205 FE	KGANISM: X⊕n PATHRE:	opus sp.				
		ME/KEY: CDS					
		22711.N. (21					
	89 <223> OT	HER INFORMA	TION:				
	96 <400> SE						
						cc aatgctgtat	60
						ggc ggagttcctg ttc ctttgctcag	120 180
						g cag agt gta	234
	112	.000 9990099	ege sococce.			t Gln Ser Val	1.54
	114			1	,	5	
			c att tgt gge				282
			r lle Cys Gly	y Ser Gly	_	Val Ile Gly	
	122	10	15		20		3.26
			c god ogg gt: s Ala Arg Val				330
	130 25	1113 119 111	30	r var sry	35	Ald OIL IIC	
		विष्व प्वय प्व	g ttg tda gtd	d aaa doo		ega aat acc	378
	136 Pro Glu	Arg Glu Gl	u Leu Ser Va.	l Lys Pro	Lys Met Val	Arg Asn Thr	
	138 40		45		50	55	
			g dec dag gag				426
	144 His Leu 146	Asn Leu Gl. ادات	n Pro Gln Glu		Ala Phe Tyr	Arg Leu Leu	
			t cad daa tto	65 cett tet	ata gac tcc	tgt cta agg	474
			e Gla Gla Phe				4 / 4
	154	75		80		85	
	1.8 att tcc	gac aag ta	t ctc ata gca	a atg gtt	cta gca tat	ttt aag egg	522
		Asp Lys Ty	r Leu Ile Ala	a Met Val	-	Phe Lys Arg	
	162	90	95		100		
			c acc age gag				570
	TOO ALA ALA	GIA ren IA	r Thr Ser Glu	ı ıyı ınr	ini met Asn	Aue Aue Agi	



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170		105					110					115					
17.1	qcc	ctq	tat	ctq	get	aat	gar	a t.g	gag	gaa	gat	qaa	qaa	час	t.at.	aaa	618
								Met									
	120		2			125					130				_	135	
182	tat	qaa	atc	ttc	ccc	t.qq	gca	cta	qqa	jac	tcg	t.gg	cgt	qaq	ct.t.	ttc	666
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186	•				140				•	145		L	, ,		150		
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194				155			- 5	·	160					165		4	
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		-			-			Cys		Asp			_			-	
202	,		170			,		175	*				180		4	•	
206	ada	act	cat	taa	gee	taa	ctq	aga	nat	ogc	ddc	atq	cat	cac	age	ववव	810
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210		185		-			190	,				195					
	qcc	atq	cqt	ggt	tac	ctt.	aga	aac	पवव	gac	1ac	ttt	ttc	caa	cqq	qqt.	858
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	200		_	•	•	205				•	210					215	
		age	ctt	aca	cca	qcc	age	t.gt	aca	att	tac	cat	aaa	аса	qqt	ate	906
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.1.36		-			220					2.15	•		1		230		
11.83		; 1 -	+	14.	1/1/1	4	+ , , , ,	·ac	440	1/10	1 +	+ 1212	+ (++	rica	qaa	Cad	95.1
232	Cys	Asp	Ser	Gly	Gly	Val	Ser	His	Asn	Asn	Ser	Ser	Ser	Pro	Glu	Gln	
23.4	·	-		235	-				240					245			
238	gag	att.	ttt	cac	tac	acc	aat	agg	gag	tgg	ticc	cag	gag	ctt	ctc	atg	1002
240	Glu	lle	Phe	His	Tyr	Thr	Asn	Arg	Glu	Trp	Ser	Gln	Glu	Leu	Leu	Met	
242			250					$25\overline{5}$		-			260				
246	ttg	ccc	cct	gag	otg	ttg	ctg	gat	CCC	gag	tgt	act	cat	gac	tta	cac	1050
2.48	Leu	Pro	Pro	Glu	Leu	Leu	Leu	Asp	Pro	Glu	Cys	Thr	His	Asp	Leu	His	
2.50		265					270					275					
254	at.t	ctc	dag	gag	cca	ttg	gtt	gga	t.t.a	gag	cca	gat	ggg	acg	gcg	ctg	1098
256	Пe	Leu	Gln	Glu	Pro	Leu	Val	Gly	Leu	Glu	Pro	Asp	Gly	Thr	Ala	Leu	
258	280					285					290					295	
200	पुत्रव	t_gg	rac	cac	ctt	tagt	Lage	rga t	tgto	staat	.c cg	gaget	.t.t.t.6	a tto	cttct	teta	1153
264	Glu	Trp	His	His	Leu												
266					300												
																aattq	11.13
27.4	aaat	_qgga	iya a	igtga	iatat	it co	egace	gate	j tad	gageç	ggga	atat	gtga	add a	agaga	aagtg	1273
278	tttt	gagt	ict ç	gtata	aacc	g tt	gctt	itgta	a aat	aaat	ata	taaa	atgtt	tat d	etgte	gctggt	1333
118	ract	aata	aa g	gatica	gata	ia aa	itcac	ittt	: aqc	itata	att	taat	agta	atg t	tatqt	agagt	1393
																actaca	1453
Par		1att	at t	intigo	racac	ia az	1+9++	ut de	а афа	atrar	racc	atta	rtatt	tt ϵ	ra qa t	aaatt	1513
		aatat	ita a	aacto	caaca	ıg ac	ttee	itgti	g gt.c	gt.aat	.gt.a	aato	gcaaa	aga t	cgat	tagac	15/3
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)> SE															
		. LF			0.0												
		2:- TY															
313	<213	3 OF	RGANI	SM:	Xenc	pus	sp										



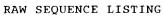
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DATE: 12/19/2001

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Output Set: N:\CRF3\12192001\I889592.raw

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319 <400 → SEQUENCE: 2
32:4 Met Arg His Met Gln Ser Val Thr Arg Ala Ser Ser Ile Cys Gly Ser
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331 Gly Val Lys Gln Val Ile Gly Lys Gly His Pro His Ala Arg Val Val
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339 Gly Ala Arg Lys Ala Gin the Pro Glu Arg Glu Glu Leu Ser Val Lys
                                40
           .55
347 Pro Lys Met Val Arg Asn The His Leu Asn Leu Gln Pro Gln Glu Arg
                            55
355 Gln Ala Phe Tyr Arg Leu Glu Ash Glu Gln Ile Gln Glu Phe Leu
                        70
                                            75
363 Ser Met Asp Ser Cys Lou Arg Ile Ser Asp Lys Tyr Leu Ile Ala Met
                   85
                                        90
371 Val Leu Ala Tyr Phe Lys Arg Ala Ala Gly Leu Tyr Thr Ser Glu fyr
                100
                                    105
374 Thr Thr Met Asn Pho Phe Val Ala Leu Tyr Leu Ala Asn Asp Met Glu
381
                                120
                                                    125
387 Glu Asp Glu Glu Asp Tyr Lys Tyr Glu Ile Phe Pro Trp Ala Leu Gly
       1.30
                            135
395 Asp Ser Trp Arg Glu Leu Pho Pro Oln Phe Leu Arg Leu Arg Asp Asp
347 145
                        150
                                            155
403 Phe Trp Ala Lys Met Asn Tyr Arg Ala Val Val Ser Arg Arg Cys Cys
                    165
                                       170
41) Asp Glu Val Met Ser Lys Asp Pro Thr His Trp Ala Trp Leu Arg Asp
               180
                                    185
419 Arg Pro Met His His Ser Gly Ala Met Arg Gly Tyr Leu Arg Asn Glu
           195
                                200
427 Asp Asp Phe Phe Pro Arg Gly Pro Gly Leu Thr Pro Ala Ser Cys Thr
429 210
                            215
435 Leu Cys His Lys Ala Gly Val Cys Asp Ser Gly Gly Val Ser His Asn
                                            235
                       230
443 Asn Ser Ser Ser Pro Glu Glu Glu He Phe His Tyr Thr Asn Arg Glu
                   245
                                       250
451 Frp Ser Gln Glu Leu Leu Met Leu Pro Pro Glu Leu Leu Leu Asp Pro
                260
                                    265
459 Glu Cys Thr His Asp Leu His Ile Leu Gln Glu Pro Leu Val Gly Leu
461
    275
                                280
467 Glu Pro Asp Gly Thr Ala Leu Glu Trp His His Leu
469 390
                            295
477 - 210> SEQ ID NO: 3
480 - 211 - LENGTH 1357
483 - 212> TYPE: DNA
486 - 213 - ORGANISM: Xenobus sb.
492 2200 FEATURE:
495 - 221 - NAME/KEY - CDS
498 - 222: LOCATION: (163)..(1056)
501 <2235 OTHER INFORMATION:
508 <400> SEQUENCE: 3
510 qctqtatttt actttctttc aqqaqqctat aaaqacaaca qacagggqag qtaggcagag 📁
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Output Set: N:\CRF3\12192001\1889592.raw

												ca a	atg a	agg o	ggete cat a His N		120 174
5.26	Gln	,													aag Lys		222
															ege Arg 35		270
															atc Ile		318
															ttt Phe		36ō
															gac Asp		414
	Cys		_			-									gea Ala		462
															aar Asn 115		15 1 c)
															gaa Glu		558
590															egt Arg		606
															aaa Lys		654
606 608		tac													atq Met		702
614	aaa Lys	Asp	Pro	Thr	His	Trp	Ala	Trp		Arq	Asp	Arg	Pro	Ile	cat His 195	His	750
6.12	aut	aga	qee	etq	cqt	ववरः	tac	ctc	aga	aat	qaq	qat	dac	ttt	ttc Phe	cct	798
630				ggc					age					cat	aaa Lys		846
638			tgt					qtq					tot.		cca Pro		894

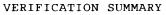
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643	Gln												_	-	ct.t Leu		942
	245					250					255					260	
															gac		990
りつけ					265				_	270					Asp 275		
															gca		1038
664	His	Ile	Phe		Glu	P.r.o	Leu	Val	_	Leu	Glu	Pro	Asp	Gly	Ala	Ala	
tjuti				280					285					240			
							t.ag	cacci	atg	tcat	atato	gt g	cttt	catt	C		1086
	11511	Glu	-	His	His	Leu											
674			295														
	78 thototaato cacqaqotca agaagcaett aacctetcht aaqcaettge ceatgtooct																1146
	I attoagacta atgaattaaa (gggagaggt jactatt $q \approx ataaagggaa ggatgccact$ baqagtggag aataatactt jecaaaaatg jtgtttqqqf etgtttaaac tgttqctatt													-	1206		
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)2 <211> LENGTH: 298																
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734	٧.ل.دا	Ата		LYS	Ald	Lys	rre		GLU	Arg	GIU	val		A J. a	Ala	Lys	
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750		nia	1. 110	1 / 1	111 9	70	LIV. U	OLU	71.511	OIG	75	110	OIII	1.3 J. CL	1 110	80	
		Met-	Asn	Ser	Cus		Lwe	Πla	Sor	Δsn		Tur	Leu	Tlo	Ala		
758	L)(.1	1100	пър	DCI	85	LIC.(I	БүБ	LIV	001	90	ы	1 7 1	LIC. CI	110	95	ricc	
	Val	Leu	Ala	Tur		Lvs	Ara	Ala	Glv		Tvr	Thr	Ser	СПп	Tyr	Thr	
766		1300		100		2717			105	2.7(2.(2	- , -			110	. , .		
	Thr	Met	Asn		Phe	Val	Ala	Leu		t.eu	Ala	Asn	Asp		Glu	Glu	
774			115					120	-:-				125				
780	Asr	Glu		Asp	Tyr	Lvs	Tyr		Tie	Phe	Pro	Trp		Len	Gly	Asp	
782		130										140				1	
788	ser	Trp	Arq	Glu	Phe	Phe	Pro	Gln	Phe	Leu	Arq	Leu	Ara	Asp	Asp	Phe	
	145	1	**			150					155				1	160	
791	Tip	Ala	Lys	Met.	Asn		Arq	Ala	val	Val		Arq	Arq	Cys	Cys		
. !+b	•		-		165	•				170		,	,	•	1/5	•	
804	Glu	Val.	Met	Alā	Lys	Asp	Pro	Thr	His	qıT	Ala	Trp	Leu	Arg	Asp	Arg	
àин				ist	-	•			185	•		•		190		•	
812	Pro	Il€	His	His	ser	Gly	Ala	Leu	Arg	Gly	Tyr	Leu	Arg	Asn	Glu	Asp	
814			195					200					205				
820	Asp	Phe	Phe	Pro	Arg	Gly	Pro	Gly	Leu	Thr	Pro	Ala	Ser	Cys	Ala	Leu	



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iIME: 15:56:35

Input Set : A:\ES.txt

Output Set: N:\CRF3\12192001\1889592.raw

L:29 M:271 C: Current Filing Date differs, Replaced Current Filing Date